## EVENT FOLLOW-UP REPORT

Participation to the event held on $25^{\text {th }}$ of May 2023.

## Event summary

| Type of event | Physical |
| :--- | :--- |
| Location (if physical) | Ploče, Port of Ploče Authority, Port of Ploče Entrance terminal |
| Date of the event | $25^{\text {th }}$ of May 2023. |
| Time/Duration | $11: 00-14: 00$ |
| Purpose of the event <br> (By whom was it organized? <br> What was the objective?) | Port of Ploče Authority has organized Local Public Event for the <br> port stakeholders to present pilot activities resulted within the <br> SUSPORT project focused on the project objectives. |
| Short description of the event <br> (what happened during the <br> event?) | During the Local event Port of Ploče authority has shared its <br> experiences, challenges, priorities of the project activities in within <br> the SUSPORT project. Pilot activities and results have been <br> presented to the stakeholders and objectives of the project. After <br> the presentation of the pilot activities partners from the KIP <br> presented objectives of the project DIGSEA. Local event has also <br> included Study visit and presentation of the project DIGSEA. |
| Results/Outcomes of the event <br> (What are the takeaways from <br> the event?) | Presentation of the pilot actions and debate in thematic after <br> sessions will help to improve the synergy between the port <br> stakeholders and Port of Ploče Authority with aim to better <br> encourage collaboration between them and target groups in port <br> areas. |
| Number of attendees | 34 |
| Type of stakeholders/target <br> groups that were represented | General public, terminal operators, Freight forwarders, ship <br> agencies, local, national and public authorities, enterprises. <br> Transport operators. |

Photos of the event:


Figure 1 Local Event Ploče

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Figure 2 Local Event Ploče

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Figure 3 Local Event Ploče


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Figure 4 Local Event Ploče

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## Agenda:



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Poštovani,
pozivamo Vas na javno događanje u svrhu prezentacije projekta SUSPORT iz Programa INTERREG IT-HR uz predstavljanje pilot aktivnosti koje je Lučka uprava Ploče realizirala u sklopu projekta.

U sklopu ovog javnog događanja, Klaster intermodalnog prijevoza predstavit ce i projekt DIGSEA kojemu je svrha unaprjedenje poslovanja luka kroz digitalizaciju.

Odrżvi razvoj, obnovljivi izvori energije i digitalizacija su svakako u fokusu današnjih zbivanja te se nadamo da ćete nam se pridružiti na ovome dogadanju kako bismo razmijenili mišljenja i iskustva te uspostavili jos bolju i efikasniju mreău za buduće suradnje.

Predmetni događaj će se održati 25. Svibnja 2023. godine u 11:00 sati u prostorima Lučke uprave Ploče (Glavna cesta 2, Ploče, zgrada Ulaznog terminala, 1. Kat)

Dobro nam dosti!

Ravnatelj Lučke uprave Ploče
Dr. sc. Tomislav Batur


Javno događanje Projekt "SUSPORT i studijski posjet Projekt DIGSEA
(Local Public Event Project SUSPORT and Study Visit Project DIGESEA)
PROGRAM/AGENDA
25.05. 2023.

11:00 Registracija / Registration

11:10 Pozdravni govor - Dr. sc. Tomislav Batur, Ravnateli, Lučka uprava Ploče (Welcome speech - Dr. sc. Tomislav Batur, Executive Manager, Port of Ploće Authority)

11:20 Prezentacija projekta SUSPORT - Željko Vlahović, Darko Plećaš, Lučka uprava Ploce
Presentation of the project SUSPORT - Željko Vlahović, Darko Plećaš, Port of Ploče Authority)

11:30 Prezentacija pilot aktivnosti, Zamjena postojeće rasvjete s LED tehnologijom, Milan Míhaljević, Lučka uprava Ploče
(Presentation of the pilot activity - Replacement of the existing port lightning system with energy-efficient technology, Milan Mihaljević, Port of Ploče Authonity)

11:45 Prezentacija pilot aktivnosti - Nabava i implementacija zaštitnih brana,
Zvonimir Vrankić, Lučka uprava Ploče
(Presentation of the pilot activity - Purchase and implementation of environment protection barriers, Zvonimir Vranké, Port of Ploče Authority)

12:00 Prezentacija pilot aktivnosti, Izmjena sustava hlađenja za potrebe podatkovno centra; Instalacija senzomih stanica za nadzor i mjerenje, Darko Plećaš, Lučka uprava Ploče
(Presentation of the pilot activity - Replacement of the existing air condition system in data center with energy-efficient technology; Installation of sensors and monitoring stations - Darko Plećaš, Port of Ploče Authority)
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## Presentation number 1:

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| :---: | :---: | :---: |
| Pilot activites in port of Ploče within the project SUSPORT <br> LOCAL PUBLICEVERT "SUSPORT" PADIEST AND STUOV VISIT PROIECT OIGSEA" <br> Local Public Event Plodel May 25th 2023 Port of Plode Authority | SUStainalbe PORTs |  |
|  | Interreg intaly-Croatia | ii) Interrey |
| INTRDUCTION | INTRDUC |  |
| The main objective of SUSPORT is to enhance the environmental sustainabiiity and energy efficiency of the ports in the Programme Area through increased institutional cooperation to create the basis for coordinated and permanent governance in the context of port environmental sustainabiity and energy efficiency at cross-border level, jointly developing action plans and a long-term strategy, increasing coordination and cooperation between ports to strengthen sustainability and competitiveness. <br> Through SUSPORT, ports of the Programme Area, will be able to share best practices and develop common methodologies for environmental sustainability and energy efficiency, to be tested in concrete pilot actions significantly improving the environmental performance of maritime transport in the whole Programme Area. | Port of Plocie Aut <br> - Primary focus maritime and creating prect a regional lo technologies, that run thro | ing conditions for efficient management of ation of the port from a transshipment port to in addition to the application of modern additional services will be provided on goods |
| (interreg Italy-Croatia $\qquad$ Interreg traty- Croata $\square$ | interreg $\begin{aligned} & \text { Int } \\ & \text { Italy-Croatia }\end{aligned}$ |  |
| TERRITORIAL CHALLENGES <br> $\checkmark$ Maritime transport is the most sustainable way of trarsporting goods <br> - 3 times less $\mathrm{CO}_{2}$ than train <br> $\checkmark$ Ports as an important catalyst for economic growth <br> x impact of port operations on air quality and $\mathrm{CO}_{2}$ emissions <br> Need to reduce environmental impact of port operations by: <br> , Strengthening institutional capacity <br> Coordinsting a cross-border govemance <br> Developing a common model of environmental planning and energy efficiency $\checkmark$ Implementing concrete sctions <br> - SUSPORT-SUStainable PORT: <br> EUSAR-Iabelled <br> Co-Aunced by the interreg tay 1 -Crostis Programme <br> Project curation: $07 / 2020-12 / 2022$ Eudget: 7.142 .000 ejrge 6010202 <br> Eudget: 7.142.000 eurca (6.070.700 ERDF) | PARTNE | Project Partners <br> 1. Eastern Adriatic Sea port Authority - Ports <br> of Trieste and Monfacone <br> 2. COSEF - Porto Nogaro <br> 3. Northern Adriatic Sea Port Authority - Ports of venice and Chioggia <br> 4. VIU-Venice international University <br> 5. TL-institure for Tansport and Logestics <br> 5. Port of Revenna Authorizy <br> 7. Cenval Adriatic Sea Ports Authority - Ports of Ancona, Pesaro, San Benedetto del Trorta. Pescara and Otona <br> 8. Special Agency of the Chamber of commerce of chiet-pescara <br> 9. Southem Adriatic Sea Por Authority - Ports of Bari Brindisi. Manfredonia, Barletata and Monopolif <br> 10. Port of Rijeka Authority <br> 11 K.p - Kiaster intermodalnog prijevoza <br> 12 Por of zadar Authority <br> 13. Port of split Authority <br> 14. Port of ploce Authority <br> 15. Por of Dubrounik A Athority 16. Dubrovnik Nerena courty |
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PROJECT'S OBJECTIVES AND ACTIVITIES
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taly-Croatia $\quad \begin{aligned} & \text { interreg } \\ & \text { Haly-croatia }\end{aligned}$

## PLANNING

Main objective is to improve joint planning of port environmental sustainability and energy efficiency, through:

1) 11 territorial analyses, assessing ex-ante situation on port-related sources of pollution and $\mathrm{CO}_{2}$ emissions in each territory, including SWOT, stakeholder mapping and feasibility studies
2) 1 cross-border model
rder model of action plans for enhancing port environmental sustainability and energy efficiency, setting goals and targets in the medium and long term
3) 11 local action plans
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## Presentation number 2:



## PILOT ACTIVITES

Repliscement of the exizing port lightring qatem with energy efficient technolog $(A 42)-33000,00$

* Purchase and impiementation of ensuronmert protection bemers (AA.2442.500,004

Teplocement af the evisting air condtion syotem in Fort of Plocze Authority dota certer with energremiciert technology (A4.2]-49000,00:

- Inetellation of seroors snd stations for monitoring voise air and watar qualty to fiessure concertrations in port areas and to dispiny mesuremento with retated seveigoment of IT platforn to support dath eichange within subsyptems (4.2) 32.000;002


## PILOTACTIVITES

- Micro Data Center solution for Data Pecpvery ate with Emicient cooing agtem and irteligent electrical power dictribution. Will be locsted in port of Ploce ares where physical protection is also needed agoint fire, water, dust, moke and eaterve nccess - $34.000,005$
- Digtai Green incident Maragement - Slow and incorrect accions when dealing with ant inciaert or diaruption $/ \mathrm{e} f$, accident an a port termina/| leads ts the emergence trum a small incident to a cuis and thus to urnequsary consumption ot resources or consequences for people and the emviromert. This is eactly where every seoond/ minute that is soved through a quick and structured incident managemes afp there is a signifiont protection of the simpundins animenert Furthermore unnecestary $\mathrm{CO2}$ ensumption is significarty reduced due to a faster, more struchired and aptimized sppruach - 23.000,005
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PILOT ACTIVITES - Technical documents

- Professionsl supervision services for the execution of electrical works for the facility: energy renovation of outboor lighting on sections of port rosid 1 and 2 ; SBunting trace 1 and 2
- Freparation of analysic and feasibility stidy of the use of renewable energy sources in the area of the entrance terminal of the Port of Ploce with the aim of energy efficiency
- Preparation of a fessibility study for the project of application of the power supply system (Cold ironing! for shipi from the maintend in the Port of Ploce with the sim of energy efficiency


## PILOT ACTIVITES - Technical documents

- Fotential calculation, development of preiminery and main design of solar power piant $70-100 \mathrm{~kW}$
- Froject of adeptation and air conditioning to a photovoltaic power plant
- Professional sssistance senvice for enternol consultants in dratining documents TNA, Action plan
- The techrical project documentation as prerequitite for the feplacement of the existing air condition sptrem in Port of Ploč: Autharity dota centre with energy efticient tectnology (AA.2]

PILOT ACTIVITES - Description

- Replacement of the existing poct lightning system with energy-efficient technology (A4.2)
- Dechnology used for the ceexing lefting syatem is deced on hiph-prespure Sodium with a tow inctaled capsciy or spproumstel 10 kW he new buitin ligrting
 With the instalantion of new The 1 an retertnes Port of Pobee Aarthority wit locations. Thes aress are public areas manges ty Port of Ploc: Authority.


## PILOTACTIVITES - Description

- Repincement of the existing port lightning system with energy-efticient techunology (44.2)
- With the aim of improvins enezv efficiency tnd satety st the port, the Fort of Ploce Authonity har reploced the exiting port lighting sptem.
- Total of 233 IED ight bulas and one LED líftirg ceflector were imstaled at the Shumting froup lio: 1. Shunting grop of the Buk Orgo Tervinal mid Port Main Fosd 140.1 and 2
- Total investment amounted $1 \mathrm{~m} 83,000$ Eum. The cuisting fighting systent was over 30 years ofd. The new fighting system requires flearty no maintenance, and it wif conturne onty one tivd of the enery compored to the former port fignting sptem.蚛 interreg interreg
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## PILOT ACTIVITES - Description

- Replacement of the existing port lightning dyzten with energy-etricient technology [A4.2]
- Ginuma hóre ota No. 1 mad
- मanżma grupa nolocifèka THT-e
- Mantiran grupe hotoxjelian Ma. 1
- Total installed capscity before the reconstruction project appros. 50 kW
* Total installed capacity after the reconstruction project 15 kW
- Total savings of appronimate) 70 \& (cce $100000 \mathrm{kn} /$ year)
- Retarn an investrment apprnx 5-6 years


## PILOT ACTIVITES - Description

- Replacement of the existing port lightning system with energy-erricient technology (A.4.2)
- Gisuna lucie ceata No. 1 and 2

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Replacement of the existing port lightning ystem with energy-etficient technology (A4.2)

- Rantirna grupo No. 1




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## PILOT ACTIVITES - Description

Replacement af the existing port lightning vystem with energy-efficient tectinology (A4.z)

- Ranżirnagrope TiT




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## PILOT ACTIVITES - Description

- Purchase and implementation of enviconment protection barriers (A4.2)
- Port of Floce Authority will purchase Environmert protection Sarrier to increase santy in port ares (soo シise) Emviranment protection boriar with be mobite so that could be used in different port aress [zeo side] it needed. it wir ve tored in
 supervision of Port of Poics Authority.
- In hily ang the Port if Plole Aushority lam antrutart the punchare of the el
 $3 \mathrm{~s}=\mathrm{m}$ lang flosting harrier mith towing beillaz ard air Howe
 of Fook Aurthorty to affedinely respond te any merime nil spill indilert at the port et Mote arsas.


## PILOT ACTIVITES - Description

Port ot Ploce Authority will purchse Environmert protection borrier to incresse setty in port ares (yes side) Environment protection barrier wiif be mobie so that cuild be used in different port areas [Fen side] if needed. it wit be stored in apervision of Port of Floce Authority




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- Purchase and implementation of environment pratection barriers (44.2)




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